

Title (en)
Grading device used in manufacture of filter plugs for cigarettes

Title (de)
Trennvorrichtung für die Herstellung von Filtern für Zigaretten

Title (fr)
Dispositif de séparation pour la fabrication de filtres à cigarette

Publication
EP 0679343 B1 20021016 (EN)

Application
EP 95104814 A 19950331

Priority
JP 6371194 A 19940331

Abstract (en)
[origin: EP0679343A2] A grading device includes an assembly drum(58) with feeding grooves(136), and a grading drum(60) arranged adjacent to the assembly drum(58) and rotating in the opposite direction from that of the assembly drum(58) at a twice peripheral speed. The grading drum(60) has a pair of groove arrays which have grading grooves(213) with a pitch twice that of feeding grooves(136) on the assembly drum(58). The grading grooves(213) of adjacent arrays are shifted from each other by a half pitch. The grading device further includes a pair of fork claws(224) for holding a pair of charcoal plugs(CF2) received in the feeding groove(136) in cooperation with the outer peripheral surface of the grading drum(60) when the paired charcoal plugs(CF2) on the assembly drum(58) pass by the grading drum(60), thereby the paired charcoal plugs(CF2) being put into the corresponding grading groove(213) while rolling on the grading drum(60). <IMAGE>

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A24C 5/47

IPC 8 full level
A24C 5/47 (2006.01); **A24D 3/02** (2006.01)

CPC (source: EP US)
A24C 5/478 (2013.01 - EP US)

Cited by
CN103445294A; EP2668857A3; EP1287753A1; IT202100030809A1; US11352166B2; US8113217B2; US6736257B2; US10172384B2; WO2023105407A1; EP3536172B1; EP1691633A1

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EP 0679343 A2 19951102; EP 0679343 A3 19991208; EP 0679343 B1 20021016; DE 69528549 D1 20021121; DE 69528549 T2 20030528; JP 3368038 B2 20030120; JP H07265051 A 19951017; US 5984851 A 19991116

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